

Title (en)

MRI APPARATUS PROVIDED WITH RF COILS FOR FORMING IMAGES WHILE UTILIZING SUB-SAMPLING

Title (de)

VORRICHTUNG FÜR DIE MR-BILDGEBUNG, MIT RF-SPULEN ZUR GENERIERUNG VON BILDERN BEI UNTERABTASTUNG

Title (fr)

APPAREIL D'IRM MUNI DE BOBINES RF PERMETTANT DE FORMER DES IMAGES TOUT EN FAISANT APPEL AU SOUS-ECHANTILLONNAGE

Publication

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Application

**EP 02751571 A 20020802**

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Abstract (en)

[origin: WO03019220A1] The acquisition of MR images while utilizing sub-sampling of the RF signals generated in the patient (21) to be examined is known. Such sub-sampling methods require at least two RF receiving coils which should not have a substantial component of their sensitivity vectors in common. According to the invention at least two coils (22a, 22b) are used, a first one (22a) having its sensitivity vector extending substantially transversely of its physical coil plane whereas a second one (22b) has its sensitivity vector extending substantially parallel to its physical coil plane. The coils can thus be placed close to the surface of the patient without interfering with each other. They can be arranged in such a manner that their planes are oriented parallel to the main magnetic field Bo. Moreover, the coils can be arranged so as to overlap substantially, so that they provide the same field of view.

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**G01R 33/341**

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CPC (source: EP US)

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